

NEW ESSA PUBLICATIONS

Coast and Geodetic Survey:

International Indian Ocean Expedition, USC & GS Ship Pioneer—1964

Vol. 1. *Cruise Narrative and Scientific Results*, 1965, 139 pp. Price \$1.25.

Vol. 2. *Data Report: Oceanographic Stations, BT Observations, and Bottom Samples*, 1965, 183 pp. Price \$1.50.

Vol. 1 summarizes the accomplishments and describes the 31,507 n. mi. voyage of the USC&GS Ship *Pioneer* in the Indian and Pacific Oceans from February 11 to August 11, 1964—the period March 23 to June 23 being devoted to special survey work in the northeastern Indian Ocean as part of the United States Government's official participation in the International Indian Ocean Expedition. Temperature, salinity, dissolved oxygen, dissolved silicate, and density distributions are shown for three north-south sections across the Equator south of the Bay of Bengal. Sediment analyses are given for samples obtained from the Strait of Malacca, and the Java, Mindanao, and Mariana Trenches. Special papers are devoted to: a comparison of *Pioneer* 1964 and *Snellius* 1929 temperature and salinity data from the central portion of the Celebes Sea; distinct zones of whitecaps observed in the Andaman Sea and believed to be associated with large-amplitude internal waves; submarine valleys and other sea-floor features in the Bay of Bengal; findings of marine geologic and geophysical investigations in the Andaman Sea, and near the Palau Islands and Guam in the western Pacific; marine productivity sampling; and collection of meteorological data by automatic recording systems. Volume 2 contains the oceanographic station data sheets, the bathythermograph log sheets, and field descriptions of bottom samples.

The Prince William Sound, Alaska, Earthquake of 1964, and Aftershocks,

Vol. I. *Operational Phases of the Coast and Geodetic Survey Program in Alaska for the Period March 27 to December 31, 1964*, Washington, D.C., 1966, 263 pp. plus 8 separate charts. Price \$6.50.

Volume I contains a detailed account of the seismic history and setting of the area; the Coast Survey's mobilization efforts to meet the earthquake disaster; the methods used to investigate and record the shoreline and channel changes; land movements and seismic phenomena associated with the initial quake and its aftershocks; a summary of the 1964 field work in Alaska; and future plans in each discipline of study. Future volumes II and III will contain detailed discussion and evaluation of the scientific results.

The above are available from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.